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|  |                               |   |                      |          |
|--|-------------------------------|---|----------------------|----------|
| <b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION</b><br>(37 CFR 1.63) | <b>Attorney Docket Number</b> | 45D-1750  |                      |          |
|  | <b>First Named Inventor</b>   | Obremski, Robert J.   |                      |          |
|  | <b>COMPLETE IF KNOWN</b>      |   |                      |          |
|  | <b>Application Number</b>     | 09 / 063,978  |                      |          |
|  | <b>Filing Date</b>            | April 21, 1999  |                      |          |
|  | <b>Group Art Unit</b>         | 1641  |                      |          |
| <input type="checkbox"/> Declaration Submitted with Initial Filing           | OR                            | <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required) | <b>Examiner Name</b> | J. Hines |

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**DETECTION OF VERY LOW QUANTITIES OF ANALYTE BOUND TO A SOLID PHASE**

the specification of which (Title of the Invention)

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY) 04-21-99 as United States Application Number or PCT International Application Number 09/063,978 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Application Number(s) | Country | Foreign Filing Date (MM/DD/YYYY) | Priority Not Claimed     | Certified Copy Attached? |                          |
|-------------------------------------|---------|----------------------------------|--------------------------|--------------------------|--------------------------|
|                                     |         |                                  |                          | YES                      | NO                       |
|                                     |         |                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                     |         |                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                     |         |                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                     |         |                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

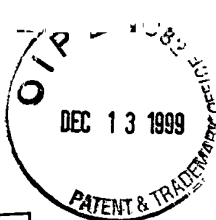
I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

| Application Number(s) | Filing Date (MM/DD/YYYY) |
|-----------------------|--------------------------|
| 60/065,937            | 10-24-97                 |

☐ Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

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## DECLARATION — Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

| U.S. Parent Application or PCT Parent Number | Parent Filing Date (MM/DD/YYYY) | Parent Patent Number (if applicable) |
|--|---------------------------------|--------------------------------------|
|  |                                 |                                      |

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/01A attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: ☒ Customer Number 22471 OR ☐ Registered practitioner(s) name/registration number listed below

| Name | Registration Number | Name | Registration Number |
|------|---------------------|------|---------------------|
|      |                     |      |                     |

☐ Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

Direct all correspondence to: ☒ Customer Number 22471 OR ☐ Correspondence address below

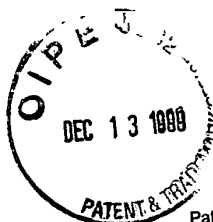
|         |           |     |  |  |  |
|---------|-----------|-----|--|--|--|
| Name    |           |     |  |  |  |
| Address |           |     |  |  |  |
| Address |           |     |  |  |  |
| City    | State     | ZIP |  |  |  |
| Country | Telephone | Fax |  |  |  |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor: ☐ A petition has been filed for this unsigned inventor

|  |                      |                        |         |
|--|----------------------|------------------------|---------|
| Given Name (first and middle (if any)) |                      | Family Name or Surname |         |
| Robert J.                              |                      | Obremski               |         |
| Inventor's Signature                   | Date                 |                        | 12/7/99 |
| Residence: City                        | Yorba Linda          | State                  | CA      |
| Post Office Address                    | 19792 La Tierra Lane |                        |         |
| Post Office Address                    |                      |                        |         |
| City                                   | Yorba Linda          | State                  | CA      |
| ZIP                                    | 92886                | Country                | US      |

☒ Additional inventors are being named on the 3 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto



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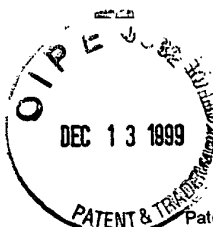
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|                    |   |
|--------------------|---|
| <b>DECLARATION</b> | <b>ADDITIONAL INVENTOR(S)</b><br><b>Supplemental Sheet</b><br>Page <u>1</u> of <u>3</u> |
|--------------------|---|

|   |                         |   |              |
|---|-------------------------|---|--------------|
| <b>Name of Additional Joint Inventor, if any:</b> |                         | <input type="checkbox"/> A petition has been filed for this unsigned inventor |              |
| Given Name (first and middle [if any])            |                         | Family Name or Surname  |              |
| John W.   |                         | Silzel  |              |
| Inventor's Signature                              |                         |   | Date 12/7/99 |
| Residence: City                                   | Yorba Linda             | State CA  | Country US   |
| Post Office Address                               | 19741 Venecia Lane      |   |              |
| Post Office Address                               |                         |   |              |
| City  | Yorba Linda             | State CA  | ZIP 92886    |
| <b>Name of Additional Joint Inventor, if any:</b> |                         | <input type="checkbox"/> A petition has been filed for this unsigned inventor |              |
| Given Name (first and middle [if any])            |                         | Family Name or Surname  |              |
| Tsong-Tseh  |                         | Tsay  |              |
| Inventor's Signature                              |                         |   | Date 12/7/99 |
| Residence: City                                   | Orange                  | State CA  | Country US   |
| Post Office Address                               | 3533 Shallow Brook Lane |   |              |
| Post Office Address                               |                         |   |              |
| City  | Orange                  | State CA  | ZIP US       |
| <b>Name of Additional Joint Inventor, if any:</b> |                         | <input type="checkbox"/> A petition has been filed for this unsigned inventor |              |
| Given Name (first and middle [if any])            |                         | Family Name or Surname  |              |
| Bibijana  |                         | Cercek  |              |
| Inventor's Signature                              |                         |   | Date         |
| Residence: City                                   | Yorba Linda             | State CA  | Country US   |
| Post Office Address                               | 4318 Camphor Avenue     |   |              |
| Post Office Address                               |                         |   |              |
| City  | Yorba Linda             | State CA  | ZIP 92886    |

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|                    |   |
|--------------------|---|
| <b>DECLARATION</b> | <b>ADDITIONAL INVENTOR(S)</b><br><b>Supplemental Sheet</b><br>Page <u>2</u> of <u>3</u> |
|--------------------|---|

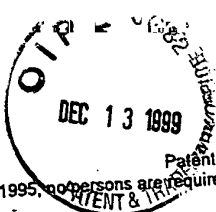
|   |                         |   |         |
|---|-------------------------|---|---------|
| <b>Name of Additional Joint Inventor, if any:</b> |                         | <input type="checkbox"/> A petition has been filed for this unsigned inventor |         |
| Given Name (first and middle [if any])            |                         | Family Name or Surname  |         |
| Charles L.  |                         | Dodson  |         |
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|   |                         | Country   | US      |
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| Post Office Address                               |                         |   |         |
| City  | Orange                  | State   | CA      |
|   |                         | ZIP   | 92865   |
|   |                         | Country   | US      |
| <b>Name of Additional Joint Inventor, if any:</b> |                         | <input type="checkbox"/> A petition has been filed for this unsigned inventor |         |
| Given Name (first and middle [if any])            |                         | Family Name or Surname  |         |
| Tung Rung   |                         | Wang  |         |
| Inventor's Signature                              | Date                    |   | 12/7/99 |
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|   |                         | Country   | US      |
| Post Office Address                               | 1824 West El Paseo Lane |   |         |
| Post Office Address                               |                         |   |         |
| City  | Fullerton               | State   | CA      |
|   |                         | ZIP   | 92833   |
|   |                         | Country   | US      |
| <b>Name of Additional Joint Inventor, if any:</b> |                         | <input type="checkbox"/> A petition has been filed for this unsigned inventor |         |
| Given Name (first and middle [if any])            |                         | Family Name or Surname  |         |
| Yagang  |                         | Liu   |         |
| Inventor's Signature                              | Date                    |   | 12/7/99 |
| Residence: City                                   | Irvine                  | State   | CA      |
|   |                         | Country   | US      |
| Post Office Address                               | 41 Santa Victoria Isle  |   |         |
| Post Office Address                               |                         |   |         |
| City  | Irvine                  | State   | CA      |
|   |                         | ZIP   | 92606   |
|   |                         | Country   | US      |

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ADDITIONAL INVENTOR(S)  
Supplemental Sheet  
Page 3 of 3

## DECLARATION

|  |  |                      |  |   |  |         |  |
|--|--|----------------------|--|---|--|---------|--|
| Name of Additional Joint Inventor, if any: |  |                      |  | <input type="checkbox"/> A petition has been filed for this unsigned inventor |  |         |  |
| Given Name (first and middle [if any])     |  |                      |  | Family Name or Surname  |  |         |  |
| Zhou                                       |  |                      |  | Shaomin   |  |         |  |
| Inventor's Signature                       |  |                      |  | Date  |  | 12/4/99 |  |
| Residence: City                            |  | Yorba Linda          |  | State   |  | CA      |  |
|  |  |                      |  | Country   |  | US      |  |
| Post Office Address                        |  | 17265 Growers Circle |  |   |  |         |  |
| Post Office Address                        |  |                      |  |   |  |         |  |
| City                                       |  | Yorba Linda          |  | State   |  | CA      |  |
|  |  |                      |  | ZIP   |  | 92886   |  |
|  |  |                      |  | Country   |  | US      |  |
| Name of Additional Joint Inventor, if any: |  |                      |  | <input type="checkbox"/> A petition has been filed for this unsigned inventor |  |         |  |
| Given Name (first and middle [if any])     |  |                      |  | Family Name or Surname  |  |         |  |
|  |  |                      |  |   |  |         |  |
| Inventor's Signature                       |  |                      |  | Date  |  |         |  |
| Residence: City                            |  |                      |  | State   |  |         |  |
|  |  |                      |  | Country   |  |         |  |
| Post Office Address                        |  |                      |  |   |  |         |  |
| Post Office Address                        |  |                      |  |   |  |         |  |
| City                                       |  |                      |  | State   |  |         |  |
|  |  |                      |  | ZIP   |  |         |  |
|  |  |                      |  | Country   |  |         |  |
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| Given Name (first and middle [if any])     |  |                      |  | Family Name or Surname  |  |         |  |
|  |  |                      |  |   |  |         |  |
| Inventor's Signature                       |  |                      |  | Date  |  |         |  |
| Residence: City                            |  |                      |  | State   |  |         |  |
|  |  |                      |  | Country   |  |         |  |
| Post Office Address                        |  |                      |  |   |  |         |  |
| Post Office Address                        |  |                      |  |   |  |         |  |
| City                                       |  |                      |  | State   |  |         |  |
|  |  |                      |  | ZIP   |  |         |  |
|  |  |                      |  | Country   |  |         |  |

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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☐ Declaration Submitted with Initial Filing OR ☒ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

|                          |                     |
|--------------------------|---------------------|
| Attorney Docket Number   | 45D-1750            |
| First Named Inventor     | Obremski, Robert J. |
| <b>COMPLETE IF KNOWN</b> |                     |
| Application Number       | 09 / 063,978        |
| Filing Date              | April 21, 1999      |
| Group Art Unit           | 1641                |
| Examiner Name            | J. Hines            |

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**DETECTION OF VERY LOW QUANTITIES OF ANALYTE BOUND TO A  
SOLID PHASE**

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| Prior Foreign Application Number(s) | Country | Foreign Filing Date (MM/DD/YYYY) | Priority Not Claimed     | Certified Copy Attached? |                          |
|-------------------------------------|---------|----------------------------------|--------------------------|--------------------------|--------------------------|
|                                     |         |                                  |                          | YES                      | NO                       |
|                                     |         |                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                     |         |                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
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|                                     |         |                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:  
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[Page 1 of 2]

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| U.S. Parent Application or PCT Parent Number | Parent Filing Date (MM/DD/YYYY) | Parent Patent Number (if applicable) |
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| Name | Registration Number | Name | Registration Number |
|------|---------------------|------|---------------------|
|      |                     |      |                     |

☐ Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

Direct all correspondence to: ☒ Customer Number or Bar Code Label 22471 OR ☐ Correspondence address below

|         |  |           |  |     |  |
|---------|--|-----------|--|-----|--|
| Name    |  |           |  |     |  |
| Address |  |           |  |     |  |
| Address |  |           |  |     |  |
| City    |  | State     |  | ZIP |  |
| Country |  | Telephone |  | Fax |  |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor: ☐ A petition has been filed for this unsigned inventor

|  |                      |                        |       |
|--|----------------------|------------------------|-------|
| Given Name (first and middle (if any)) |                      | Family Name or Surname |       |
| Robert J.                              |                      | Obremski               |       |
| Inventor's Signature                   |                      | Date                   |       |
| Residence: City                        | Yorba Linda          | State                  | CA    |
|  |                      | Country                | US    |
| Post Office Address                    | 19792 La Tierra Lane |                        |       |
| Post Office Address                    |                      |                        |       |
| City                                   | Yorba Linda          | State                  | CA    |
|  |                      | ZIP                    | 92886 |
|  |                      | Country                | US    |

☒ Additional inventors are being named on the 3 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto

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ADDITIONAL INVENTOR(S)  
Supplemental Sheet  
Page 1 of 3

|  |  |                         |  |   |  |              |  |
|--|--|-------------------------|--|---|--|--------------|--|
| Name of Additional Joint Inventor, if any: |  |                         |  | <input type="checkbox"/> A petition has been filed for this unsigned inventor |  |              |  |
| Given Name (first and middle [if any])     |  |                         |  | Family Name or Surname  |  |              |  |
| John W.                                    |  |                         |  | Silzel  |  |              |  |
| Inventor's Signature                       |  |                         |  |   |  | Date         |  |
| Residence: City                            |  | Yorba Linda             |  | State CA  |  | Country US   |  |
| Post Office Address                        |  | 19741 Venecia Lane      |  |   |  |              |  |
| Post Office Address                        |  |                         |  |   |  |              |  |
| City                                       |  | Yorba Linda             |  | State CA  |  | ZIP 92886    |  |
|  |  |                         |  | Country US  |  |              |  |
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| Given Name (first and middle [if any])     |  |                         |  | Family Name or Surname  |  |              |  |
| Tsong-Tseh                                 |  |                         |  | Tsay  |  |              |  |
| Inventor's Signature                       |  |                         |  |   |  | Date         |  |
| Residence: City                            |  | Orange                  |  | State CA  |  | Country US   |  |
| Post Office Address                        |  | 3533 Shallow Brook Lane |  |   |  |              |  |
| Post Office Address                        |  |                         |  |   |  |              |  |
| City                                       |  | Orange                  |  | State CA  |  | ZIP US       |  |
|  |  |                         |  | Country US  |  |              |  |
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| Given Name (first and middle [if any])     |  |                         |  | Family Name or Surname  |  |              |  |
| Bibijana                                   |  |                         |  | Cercek  |  |              |  |
| Inventor's Signature                       |  | Bibijana Cercek         |  |   |  | Date 12/3/99 |  |
| Residence: City                            |  | Yorba Linda             |  | State CA  |  | Country US   |  |
| Post Office Address                        |  | 4318 Camphor Avenue     |  |   |  |              |  |
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| City                                       |  | Yorba Linda             |  | State CA  |  | ZIP 92886    |  |
|  |  |                         |  | Country US  |  |              |  |

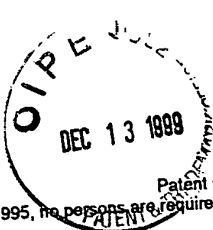
|      |             |       |    |     |  |
|------|-------------|-------|----|-----|--|
| City | Yorba Linda | State | CA | ZIP |  |
|------|-------------|-------|----|-----|--|

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## DECLARATION

ADDITIONAL INVENTOR(S)  
Supplemental Sheet  
Page 2 of 3

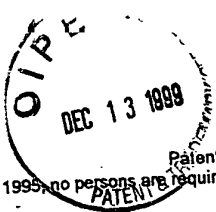
|  |                          |   |         |
|--|--------------------------|---|---------|
| Name of Additional Joint Inventor, if any: |                          | <input type="checkbox"/> A petition has been filed for this unsigned inventor |         |
| Given Name (first and middle [if any])     |                          | Family Name or Surname  |         |
| Charles L.                                 |                          | Dodson  |         |
| Inventor's Signature                       | <i>Charles L. Dodson</i> | Date  | 12/3/99 |
| Residence: City                            | Orange                   | State   | CA      |
|  |                          | Country   | US      |
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| Post Office Address                        |                          |   |         |
| City                                       | Orange                   | State   | CA      |
|  |                          | ZIP   | 92865   |
|  |                          | Country   | US      |
| Name of Additional Joint Inventor, if any: |                          | <input type="checkbox"/> A petition has been filed for this unsigned inventor |         |
| Given Name (first and middle [if any])     |                          | Family Name or Surname  |         |
| Tung Rung                                  |                          | Wang  |         |
| Inventor's Signature                       |                          | Date  |         |
| Residence: City                            | Fullerton                | State   | CA      |
|  |                          | Country   | US      |
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| Post Office Address                        |                          |   |         |
| City                                       | Fullerton                | State   | CA      |
|  |                          | ZIP   | 92833   |
|  |                          | Country   | US      |
| Name of Additional Joint Inventor, if any: |                          | <input type="checkbox"/> A petition has been filed for this unsigned inventor |         |
| Given Name (first and middle [if any])     |                          | Family Name or Surname  |         |
| Yagang                                     |                          | Liu   |         |
| Inventor's Signature                       |                          | Date  |         |
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| Post Office Address                        |                          |   |         |
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|  |                          | ZIP   | 92606   |
|  |                          | Country   | US      |

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|                    |  |
|--------------------|--|
| <b>DECLARATION</b> | <b>ADDITIONAL INVENTOR(S)</b><br>Supplemental Sheet<br>Page <u>3</u> of <u>3</u> |
|--------------------|--|

|  |                      |   |    |         |       |             |                           |
|--|----------------------|---|----|---------|-------|-------------|---------------------------|
| Name of Additional Joint Inventor, if any: |                      | <input type="checkbox"/> A petition has been filed for this unsigned inventor |    |         |       |             |                           |
| Given Name (first and middle [if any])     |                      | Family Name or Surname  |    |         |       |             |                           |
| Zhou                                       |                      | Shaomin   |    |         |       |             |                           |
| Inventor's Signature                       |                      |   |    |         |       | Date        |                           |
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| Post Office Address                        |                      |   |    |         |       |             |                           |
| City                                       | Yorba Linda          | State   | CA | ZIP     | 92886 | Country     | US                        |
| Name of Additional Joint Inventor, if any: |                      | <input type="checkbox"/> A petition has been filed for this unsigned inventor |    |         |       |             |                           |
| Given Name (first and middle [if any])     |                      | Family Name or Surname  |    |         |       |             |                           |
|  |                      |   |    |         |       |             |                           |
| Inventor's Signature                       |                      |   |    |         |       | Date        |                           |
| Residence: City                            |                      | State   |    | Country |       | Citizenship |                           |
| Post Office Address                        |                      |   |    |         |       |             |                           |
| Post Office Address                        |                      |   |    |         |       |             |                           |
| City                                       |                      | State   |    | ZIP     |       | Country     |                           |
| Name of Additional Joint Inventor, if any: |                      | <input type="checkbox"/> A petition has been filed for this unsigned inventor |    |         |       |             |                           |
| Given Name (first and middle [if any])     |                      | Family Name or Surname  |    |         |       |             |                           |
|  |                      |   |    |         |       |             |                           |
| Inventor's Signature                       |                      |   |    |         |       | Date        |                           |
| Residence: City                            |                      | State   |    | Country |       | Citizenship |                           |
| Post Office Address                        |                      |   |    |         |       |             |                           |
| Post Office Address                        |                      |   |    |         |       |             |                           |
| City                                       |                      | State   |    | ZIP     |       | Country     |                           |

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